Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/12/2020 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124219	-1	2.59	124274	2.54
Blue	F	SSC	125000	123659	-2	1.70	124403	1.71
Blue	E	FITC	15892	15439	-3	2.69	336	19.90
Blue	D	PE	29999	29736	-1	1.93	648	14.83
Blue	B	PerCP-Cy5-5	43732	43419	-1	3.65	1161	20.28
Blue	A	PE-Cy7	30845	30987	0	6.10	593	40.80
Red	C	APC	46112	45694	-1	2.51	1615	11.84
Red	A	APC-Cy7	30458	30115	-2	2.39	798	11.76
Violet	B	V450	7918	7513	-6	4.49	421	13.04
Violet	A	V500	32171	31556	-2	4.21	736	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17327	14.21	622	1	N/A	N/A	Pass
Blue	F	SSC	56344	1.24	563	4	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0216	225	Pass
Blue	D	PE	135	49.42	550	2	0.1556	247	Pass
Blue	B	PerCP-Cy5-5	215	51.09	657	1	0.0093	110	Pass
Blue	A	PE-Cy7	107	104.18	700	2	0.0110	21	Pass
Red	C	APC	383	25.40	588	4	0.0265	235	Pass
Red	A	APC-Cy7	176	29.05	560	4	0.0059	1423	Pass
Violet	B	V450	65	59.72	466	8	0.0574	2363	Pass
Violet	A	V500	111	37.37	483	9	0.0257	1624	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.42	-32.00	0.90
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	16.38	13.60 - 20.40	N/A	N/A	29.65	29.92	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9930

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments